

DECLARATION

As a below and named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: METHOD AND APPARATUS FOR CHARACTERIZING MATERIALS BY USING A MECHANICAL RESONATOR the specification of which is attached hereto or.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119	
			Yes	No
			Yes	No

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status		
10/266,047	October 7, 2002	Patented	<input checked="" type="checkbox"/> Pending	Abandoned
10/201,181	July 23, 2002	Patented	<input checked="" type="checkbox"/> Pending	Abandoned
09/800,819	March 7, 2001	<input checked="" type="checkbox"/> Patented	Pending	Abandoned
09/133,171	August 12, 1998	<input checked="" type="checkbox"/> Patented	Pending	Abandoned
08/946,921	October 8, 1997	<input checked="" type="checkbox"/> Patented	Pending	Abandoned

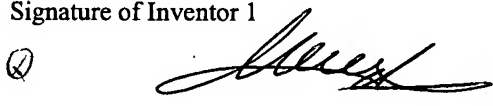
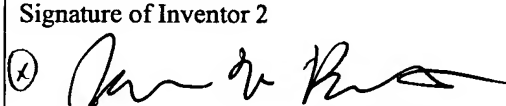
Power of Attorney: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Eric M. Dobrusin (Reg. No. 33,867)

Christopher J. Voci (Reg. No. 45,184)
 Scott A. Chapple (Reg. No. 46,287)
 Jenny Lee (Reg. No. 46,865)
 Theresa A. Orr (Reg. No. 34,890)
 Ronald A. Krasnow (Reg. No. 33,321)
 Paul A. Stone (Reg. No. 38,628)
 James H. Ackley (Reg. No. 45,695)

Full Name of Inventor 1	Last Name Matsiev	First Name Leonid	Middle Name or Initial	
Residence & Citizenship	City San Jose	State/Foreign Country CA	Country of Citizenship Russian Federation	
Post Office Address	Post Office Address 1060 Alderbrook Lane	City San Jose	State/Country CA/USA	Zip Code 95129
Full Name of Inventor 2	Last Name Bennett	First Name James	Middle Name or Initial	
Residence & Citizenship	City Santa Clara	State/Foreign Country CA	Country of Citizenship United States	
Post Office Address	Post Office Address 1196 Phillips Court	City Santa Clara	State/Country CA/USA	Zip Code 95051
Full Name of Inventor 3	Last Name McFarland	First Name Eric	Middle Name or Initial	
Residence & Citizenship	City Santa Barbara	State/Foreign Country CA	Country of Citizenship United States	
Post Office Address	Post Office Address 820 Pointsettia Way	City Santa Barbara	State/Country CA/USA	Zip Code 93111

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1 	Signature of Inventor 2 
Date <input checked="" type="checkbox"/> 10-13-03	Date <input checked="" type="checkbox"/> 10-9-2003

Signature of Inventor 3
Date

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Prior Foreign Application(s)

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			Yes____ No____
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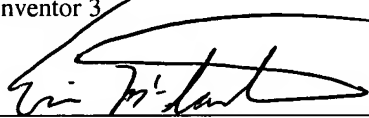
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Full Name of Inventor 1	Last Name Matsiev	First Name Leonid	Middle Name or Initial	
Residence & Citizenship	City San Jose	State/Foreign Country CA	Country of Citizenship Russian Federation	
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Full Name of Inventor 2	Last Name Bennett	First Name James	Middle Name or Initial	
Residence & Citizenship	City Santa Clara	State/Foreign Country CA	Country of Citizenship United States	
Post Office Address	Post Office Address 1196 Phillips Court	City Santa Clara	State/Country CA/USA	Zip Code 95051
Full Name of Inventor 3	Last Name McFarland	First Name Eric	Middle Name or Initial	
Residence & Citizenship	City Santa Barbara	State/Foreign Country CA	Country of Citizenship United States	
Post Office Address	Post Office Address 820 Pointsettia Way	City Santa Barbara	State/Country CA/USA	Zip Code 93111

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Signature of Inventor 1	Signature of Inventor 2
Date	Date

Signature of Inventor 3
9/03/03 
Date

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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

RADER, FISHMAN & GRAUER

DECEMBER 14, 1998

PTAS

RADER, FISHMAN & GRAUER PLLC
ANNA M. SHIH
1533 N. WOODWARD AVENUE, SUITE 140
BLOOMFIELD HILLS, MICHIGAN 48304



100811275A

05304-011

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/12/1998

REEL/FRAME: 9417/0337
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
MATSIEV, LEONID

DOC DATE: 08/10/1998

ASSIGNOR:
BENNETT, JAMES

DOC DATE: 08/10/1998

ASSIGNOR:
MCFARLAND, ERIC

DOC DATE: 08/10/1998

ASSIGNEE:
SYMYX TECHNOLOGIES
3100 CENTRAL EXPRESSWAY
SANTA CLARA, CALIFORNIA 95051

SERIAL NUMBER: 09133171
PATENT NUMBER:

FILING DATE: 08/12/1998
ISSUE DATE:

LAWAN FLETCHER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

09-04-1998

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patent

100811275

and original documents or copy thereof.

1. Name of the conveying party(ies):

Leonid Matsiev
James Bennett
Eric McFarland-

- ☒ Individuals ☐ (Association)
☐ General Partnership ☐ Limited Partnership
☐ Corporation-Delaware ☐ Other:

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: _____

2. Name and address of receiving party(ies):

Name: Symyx Technologies

Internal Address:

Street Address:

3100 Central Expressway

City: Santa Clara State: CA Zip: 95051

- ☐ Individual(s) Citizenship
☐ Association:
☐ General Partnership:
☐ Limited Partnership:
☒ Corporation-State: California
☐ Other: Non-Profit Organization

Additional name(s) & address(ies) attached? ☐ Yes ☒ No

4. Application number(s) or registration number(s):

A. Patent Application No.(s)

To Be Assigned

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Anna M. Shih (Reg. No. 36, 372)

Internal Address: RADER, FISHMAN & GRAUER PLLC

Street Address: 1533 N. Woodward Avenue, Suite 140

City: Bloomfield Hills State: Michigan Zip: 48304

6. Total number of applications and patents involved: one

7. Total fee (37 CFR 3.41):\$ 40.00

- ☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number: 50-0496

02/1998 PTO/DOC 00000002 500496 09133171

DO NOT USE THIS SPACE

FC:581

40.00 CH

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Anna M. Shih

Signature

August 12, 1998

Date

Total number of pages including cover sheet, attachments and document: 4 Atty. Docket No. 65304-11

R0034059

ASSIGNMENT
(Joint Inventors)

WHEREAS, We, Leonid Matsiev, residing at 10350 Leola Court, #1, Cupertino, CA 95014; James Bennett, residing at 652 Robin Drive, Santa Clara, CA 95050; and Eric McFarland, residing at 820 Poinsettia Way, Santa Barbara, CA 93111 (hereinafter referred to as Assignors), have invented new and useful improvements in:

**METHOD AND APPARATUS FOR CHARACTERIZING
MATERIALS BY USING A MECHANICAL RESONATOR**

which is set forth in an application for Letters Patent in the United States executed on even date herewith;

AND WHEREAS, Symyx Technologies, a California corporation, (hereinafter referred to as Assignee), of 3100 Central Expressway, Santa Clara, California 95051, is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, the Assignors have assigned, sold and set over, and by these present assigns, sells and sets over unto the Assignee, its successors, legal representatives and assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest in and to said invention, said application for Letters Patent, including the right to file foreign patent applications corresponding to said application, and the right to claim the priority date of said United States patent application and any legal equivalents thereof, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and to any and all divisions, continuations, and continuations-in-part of said application, or re-issues or extensions of said Letters Patent or Patents prepared and executed by Assignors on even date herewith, the same to be held and enjoyed by the Assignee, as fully and entirely as the same would have been held by the Assignor had this Assignment and sale not been made.

AND the Assignors hereby covenant and agree that the Assignors will at any time upon the request and at the expense of the Assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and the Assignor hereby authorize and requests the Commissioner of Patents to issue said Letters Patent to the Assignee in accordance with this Agreement.

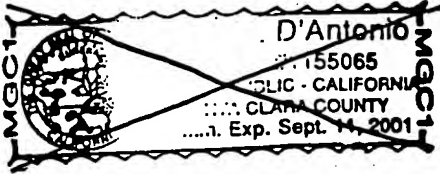
IN TESTIMONY WHEREOF, I hereunto set my hand and affix my seal at Santa Clara, in the State of California, this 10th day of August, 1998.



STATE OF CALIFORNIA)

COUNTY OF Santa Clara)

Before me personally appeared said Leonid Matsiev and acknowledged the foregoing instrument to be his own free act and deed, this 10th day of August, 1998.



SEAL

Melissa D'Antonio
Notary Public



IN TESTIMONY WHEREOF, I hereunto set my hand and affix my seal at Santa

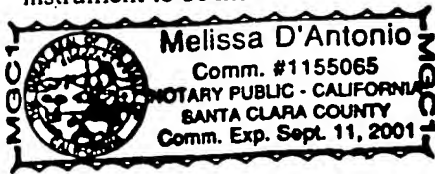
Clara, in the State of California, this 10th day of August, 1998.

James Bennett

STATE OF CALIFORNIA)

COUNTY OF Santa Clara)

Before me personally appeared said James Bennett and acknowledged the foregoing instrument to be his own free act and deed, this 10th day of August, 1998.



SEAL

Melissa D'Antonio
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and affix my seal at Santa
Clara, in the State of California, this 10th day of August, 1998.

Eric McFarland

STATE OF CALIFORNIA)

COUNTY OF Santa Clara)

Before me personally appeared said Eric McFarland and acknowledged the foregoing
instrument to be his own free act and deed, this 10th day of August, 1998.



Melissa D'Antonio
Notary Public

Please address all correspondence and telephone calls and, upon recordation, please return
this document to:

RADER, FISHMAN & GRAUER PLLC
1533 N. Woodward Avenue, Suite 140
Bloomfield Hills, Michigan 48304
(248) 594-0600